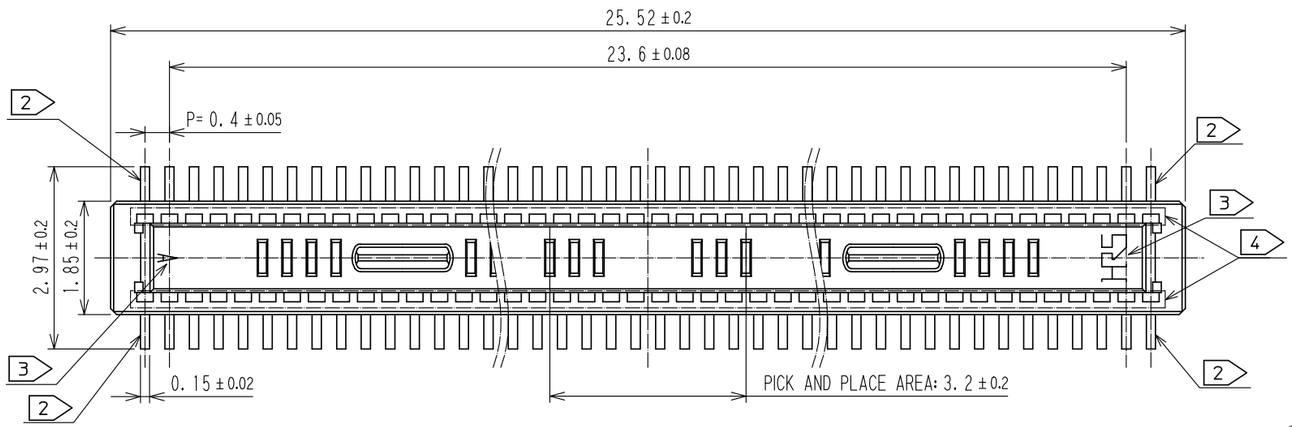
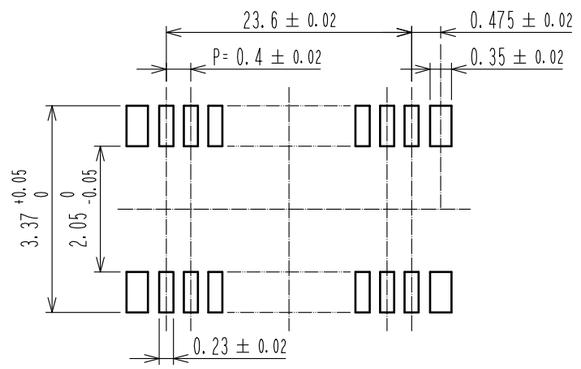
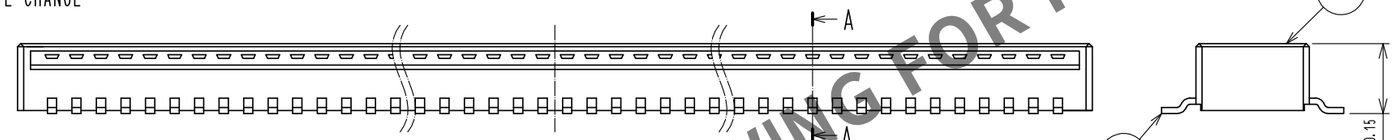


RECOMMENDED PATTERN

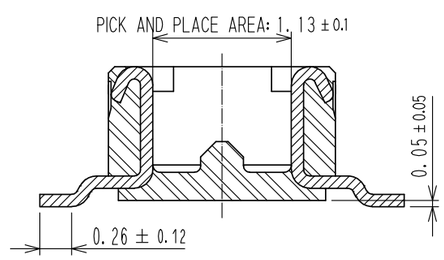


RECOMMENDED METAL MASK THICKNESS : 120μm
RECOMMENDED METAL MASK OPENING RATIO : 80% FOR LEAD PAD

△1 SHAPE CHANGE



A-A(20:1)



NOTES) 1. ALL LEADS CO-PLANARITY SHALL BE USED 0.1 MAX
2 EACH ONE CONTACT AT 4 CORNERS SHALL BE USED AS METAL HOLD DOWN.
3 HRS MARK AND CAV NO. ARE LOCATED IN APPROXIMAL AREA.
4 THERE IS A POSSIBILITY THAT THE RESIN WILL BE EXPOSED AT THIS AREA.
BUT THIS WILL NOT AFFECT THE CONTACT RELIABILITY.
△1 5 DELETE.

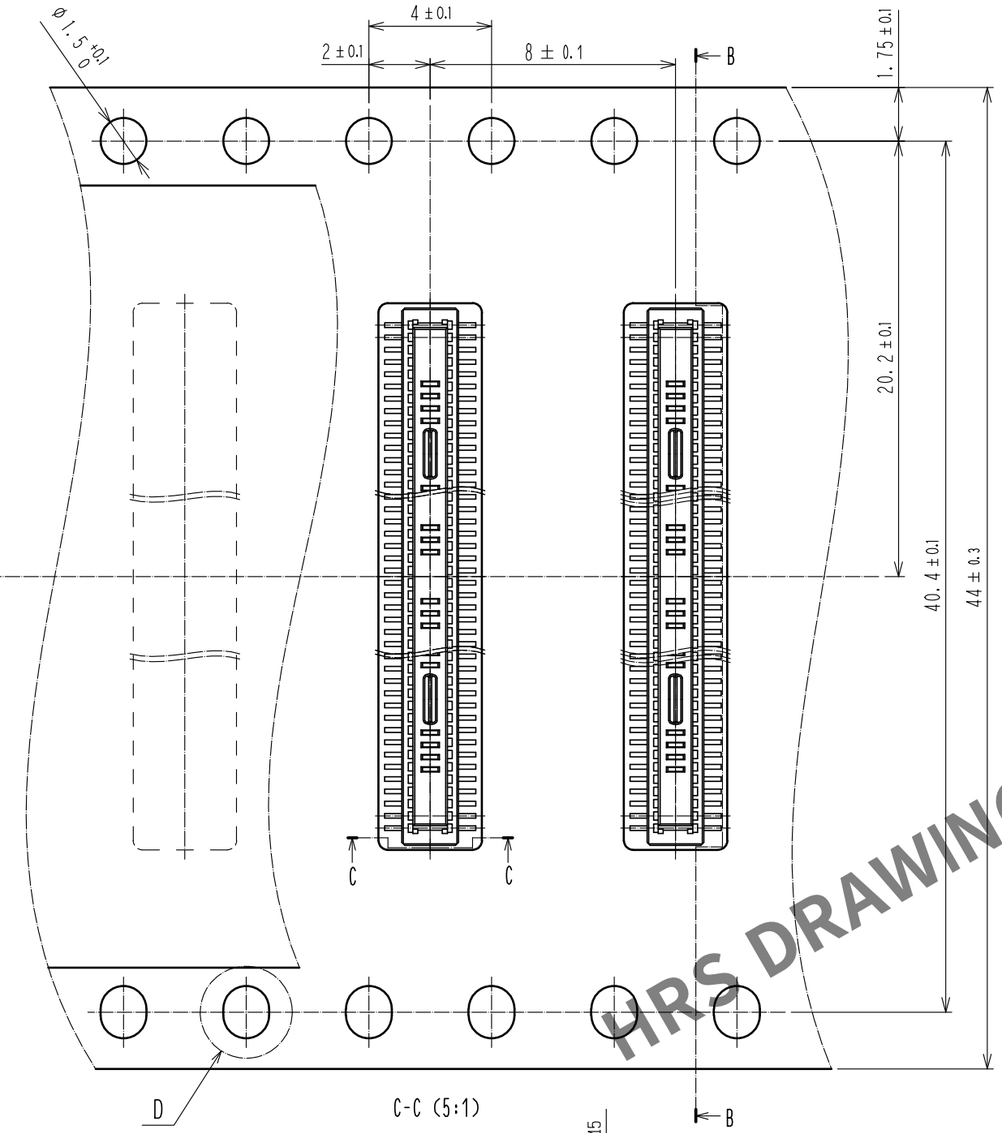
NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
2	COPPER ALLOY	CONTACT AREA:GOLD 0.05μm MIN	6	PS	CLEAR, REINFORCEMENT COLLAR
		SMT LEAD:GOLD 0.05μm MIN	5	PS	BLACK
		UNDERPLATING:NICKEL 1μm MIN	4	POLYESTER	CLEAR, COVER TAPE
1	LCP	BLACK, UL94V-0	3	PS	CLEAR, EMBOSSED CARRIER TAPE

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	10 : 1	△1	2	DIS-H-00012871	RH. KAGAMI	RT. SHIMIZU	20220222

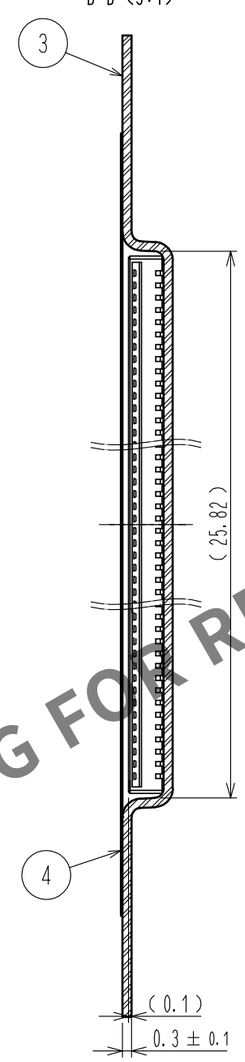
HIROSE ELECTRIC CO., LTD.

APPROVED	WR. FUKUCHI	20211025	DRAWING NO. EDC-397836-88-00
CHECED	YK. SATAKE	20211025	PART NO. DF40TC-120DP-0.4V(88)
DESIGNED	RH. KAGAMI	20211025	CODE NO. CL0684-4295-0-88 △1 1/3
DRAWN	RH. KAGAMI	20211025	

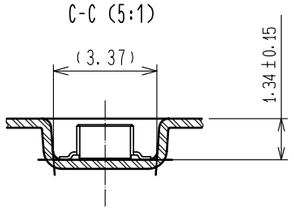
EMBOSSED CARRIER TAPE PACKAGING (5:1)



B-B (5:1)

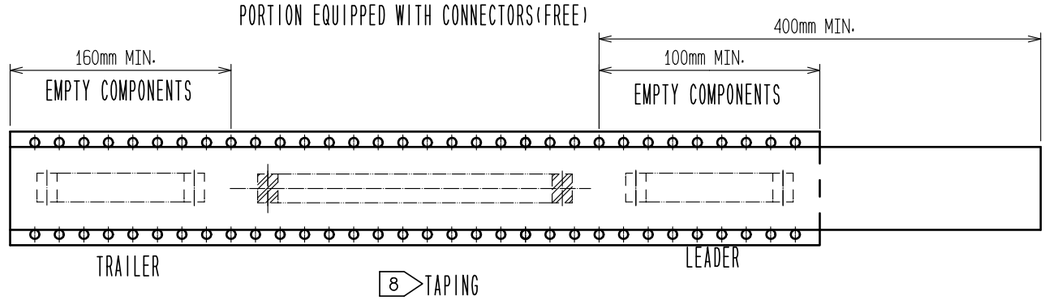


C-C (5:1)

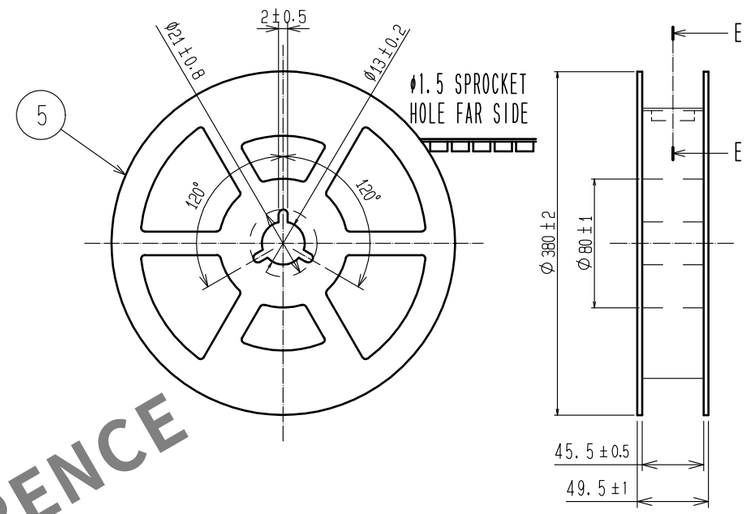


PORTION EQUIPPED WITH CONNECTORS(FREE)

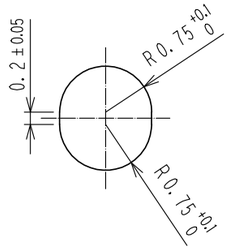
DIRECTION OF UNREELING



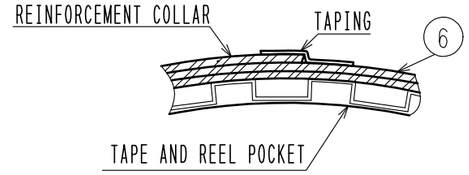
STYLE AND DIMENSIONS OF REEL (FREE)



D (10:1)



9 E-E (FREE)



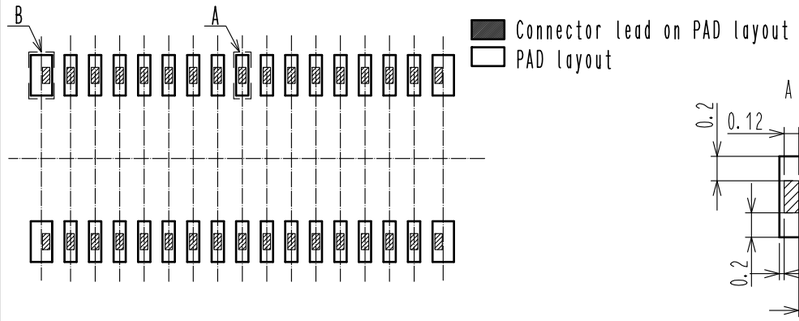
NOTES 6. PER REEL 5000 CONNECTORS.
7. THE DIMENSIONS IN PARENTHESES ARE FOR REFERENCE.
8 REFER TO JIS C 0806(PACKING OF COMPONENTS FOR AUTOMATIC HANDLING)
9 AFTER PACKAGING, ROLL 2 METERS OF THE REINFORCEMENT COLLAR TO OUTER CIRCUMFERENCE OF TAPE AND REEL POCKET, AND TAPE DOWN AT THE END THE COLLAR.

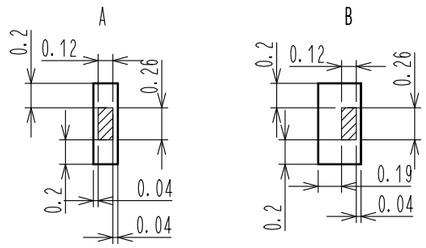
DRAWING NO.	EDC-397836-88-00
PART NO.	DF40TC-120DP-0.4V(88)
CODE NO.	CL0684-4295-0-88

1 2/3

10. PLEASE REFER TO THE PRODUCT GUIDELINE ETAD-H1015 FOR DETAIL OF CONNECTOR HANDLING.

THE POSITION BETWEEN THE CONNECTOR AND PAD



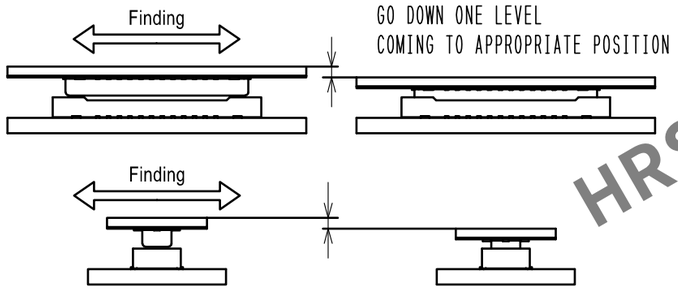


MATING METHOD

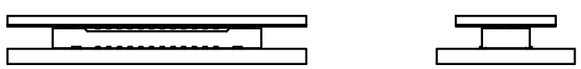
PLEASE MATE THE CONNECTOR BY HAND.

MATING PROCEDURE

(1) FIND THE ALIGNMENT AREA TO THE CONNECTOR IN THE APPROPRIATE MATING POSITION.
THIS CONNECTOR HAS AN ALIGNMENT CHAMBER(GUIDANCE RIBS) ON RECEPTACLE SIDE AND 'R' ON PLUG SIDE,
SO THAT THE CONNECTOR WILL BE SELF-ALIGNED.
WHEN THE CONNECTOR COMES TO THE APPROPRIATE POSITION, THE CONNECTOR GOES INTO THE ALIGNED POSITION.
WHEN ALIGNED, IT CAN BE FELT BY HAND.



(2) WHEN GUIDING, THE CONNECTORS ARE ALIGNED PARALLEL TO EACH OTHER, WITH LONGITUDINAL AND LATERAL MOVEMENTS RESTRICTED. MATE THEM PROPERLY BY APPLYING FORCE IN THIS CONDITION.

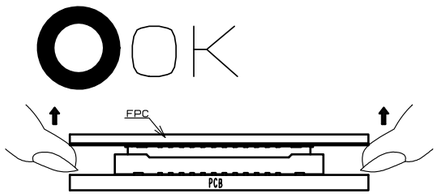


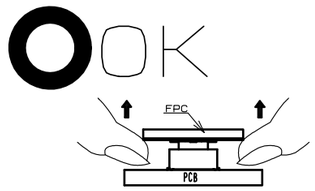
(3) MAKE SURE THE CONNECTORS ARE MATED CORRECTLY. IF ONE SIDE IS FLOATING OR THE CONNECTORS ARE MATED IN ONE DIRECTION, UN-MATE THEM ONCE, AND THEN MATE THEM AGAIN. FOLLOWING THE PROCEDURES ABOVE FROM THE BEGINNING.

UN-MATING METHOD

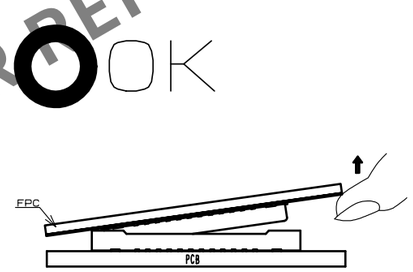
PLEASE UN-MATE THE CONNECTOR BY HAND

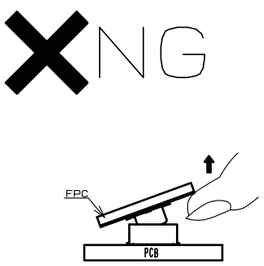
(1) UN-MATE THE CONNECTORS PARALLEL TO EACH OTHER. HOWEVER, IF THE CONNECTORS HAVE HIGH PIN COUNTS OR THINNER FPC AND STIFFENER, IT BECOMES MORE DIFFICULT TO DO SO.



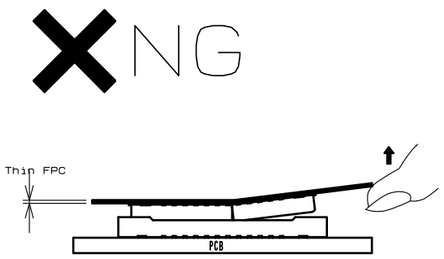


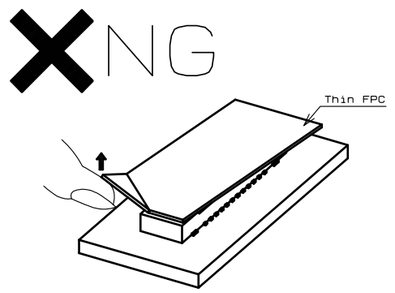
(2) IF THE CONNECTOR CANNOT BE UN-MATED PARALLEL IT CAN BE REMOVED DIAGONALLY FROM THE PITCH DIRECTION.
BE CAREFUL TO DO SO SINCE THIS ACTION APPLIES STRESS ON THE CONTACT.





(3) IF THE FPC IS NOT RIGID, THE CONNECTOR CAN BE BROKEN. PLEASE CHECK THE ACTION OF THE FPC TO BE USED REPEATEDLY AT THE TIME OF TRIAL PRODUCTION. BE CAREFUL TO UN-MATE THEM FROM THE PITCH DIRECTION. PULLING IT FROM THE CORNER CAN ALSO RISK TO PUTTING STRESS ON CONTACTS.





HRS	DRAWING NO.	EDC-397836-88-00
	PART NO.	DF40TC-120DP-0.4V(88)
	CODE NO.	CL0684-4295-0-88